



Pressure Temperature Charts

°F	°C	R-23
-120	-84.4	4.0
-115	-81.7	0.3
-110	-78.9	2.9
-105	-76.1	5.8
-100	-73.3	9.0
-95	-70.6	12.7
-95	-67.8	16.7
-85	-65.0	21.3
-80	-62.2	26.3
-75	-59.4	31.8
-70	-56.7	37.9
-65	-53.9	44.6
-60	-51.1	52.0
-55	-48.3	60.0
-50	-45.6	68.7
-45	-42.8	78.1
-40	-40.0	88.3
-35	-37.2	99.4

°F	°C	R-23
-30	-34.4	111.0
-25	-31.7	124.0
-20	-28.9	138.0

**Vapor Pressure in PSIG
In Vacuum (inches in Hg)**

Refrigerant Boiling Point

Refrigerant	Components	BP (0 PSIG):
R-23	R-23 (100%) Trifluoromethane	-115.6 °F

Liquid Density

Refrigerant		-80°F	-40°F	0°F	40°F	80°F	120°F
R-23	#/cu. ft.	85.6	79.26	72.03	62.35	-	-
	#/gal.	11.26	10.46	9.502	8.225	-	-

Physical Properties

	R-23
Environmental Classification	HFC
Molecular Weight	70
Boiling Point (1atm, °F)	-115.6
Critical Pressure (psia)	701.4
Critical Temperature (°F)	78.7
Critical Density (lb./ft ^3)	32.8
Vapor Density (bp, lb./ft ^3)	0.29
Heat of Vaporization (bp, BTU/lb.)	102.7
Global Warming Potential (CO2 = 1.0)	14800
ASHRAE Standard 34 Safety Rating	A1

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